June 18, 2015

MEMORANDUM FOR: Distribution Email

FROM: Chris Caruso Magee
Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades for CPC, OPC, and WPC

The following accelerated items were implemented this past week:

RFC #341 – tcp.tcl v2.76 – Fixed a bug to correctly save comment information associated with the 120 hour forecast position. The bug was causing the comments to not appear in the product even if they were entered correctly into the GUI. This was impacting current advisories being issued by WPC. Implemented on June 17 at 1630Z. (WPC)

The following will be implemented the week of June 22, 2015:

RFC #342 – Remove the old RZDM monitoring script 'rzdm_web_monitor.pl'. It was replaced by 'opc_woc_mirrors_monitor.pl' for better web products checking on the NOAA WOC mirror sites. The old script is no longer needed. To be implemented on June 22 at 1130Z. (OPC)

RFC #343 – Update OPC's patch reminder script for moving the IDP flags. The old Compute Farm RHEL5 machines have been removed from the script. To be implemented on June 22 at 1130Z. (OPC)

RFC #344 – Implement scripts that are necessary for the Flash Flood and Intense Rainfall (FFaIR) 2015 experiment held in July. This change modifies the cron table to run the new scripts periodically. To be implemented on June 22 at 1200Z. (WPC)

RFC #345 – Fix a problem with script 'check_for_other_center.pl' in which the script was failing to send the final Unified Surface Analysis and the final HFO surface analysis to AWIPS2. To be implemented on June 22 at 1200Z. (OPC)

RFC #346 – Point NMAP to use WPC's lightning thread restore file for the HRRR, NAM4, and NAM6AK. To be implemented on June 22 at 1300Z. (OPC)

RFC #347 – For NMAP2, fix the zoom on the Himawari 10.4 micron IR band and add the 6.9 micron WV band. To be implemented on June 22 at 1330Z. (OPC)

RFC #348 – Replace the RTMA with the URMA for creation of the downscale vectors and bias correction of the medium range fields. This will be done in the script 'downscale_maxmin_2p5.csh', 'make_downscale_2p5.com', and 'verif_ruc_medr5km.com'. The timing will also be offset by 6 hours to account for the URMA 6 hour delay. To be implemented on June 23 at 1200Z. (WPC)

The following NCO RFC(s) will be implemented the week of June 22, 2015 and may affect the local Centers:

RFC #1009 – Migrate WPC-LW-ATCF from Dell Precision T1700 hardware to Dell Precision T5610 hardware. Implementation began on June 15 at 1100Z and should be completed by June 26 at 1700Z.

RFC #1019 – Configure 2 WCOSS phase2 service nodes to serve as development ecFlow servers. This will allow development users to run scheduled jobs with ecFlow. Two other WCOSS phase2 service nodes will be configured to provide system access for PMB Operations staff. Was to have been implemented on June 17 at 1400Z. Delayed to June 22 at 1500Z due to CWD.

RFC #1021 – WCOSS Dataflow v1.62.13 – NOAA facilities in Boulder, CO wil be unavailable from June 19 through June 21 due to a planned power outage. PMB Dataflow will suspend feeding model data to the Boulder servers and switch the LDM MADIS feed from GSD to NOAA IDP. Implemented on June 18 at 1200Z. This change will be rolled back on June 22 once power is restored to the facilities.

RFC #1032 – NCODF Dataflow v2.4.1, WCOSS Dataflow v1.62.16 – Modify DBNet on WCOSS and NCODF to begin sending ESTOFS and RTOFS domain grids from the NWPS as a tar file instead of individual data files to the NCODF servers. This change makes the dataflow more efficient by sending a hundred large files instead of thousands of smaller files. The tar file will be expanded once it reaches the NCODF server. To be implemented on June 22 at 1200Z.

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

1. The CPC/OPC/WPC Configuration Management documents are available at https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.